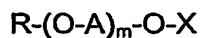


## Claims:

1. A flowable, aqueous concentrate composition containing
  - i. particles a) of microencapsulated pendimethalin,
  - ii. particles b) of non-encapsulated pendimethalin and
  - iii. at least one surface-active substance.
2. The composition as claimed in claim 1, wherein the weight ratio of the microencapsulated pendimethalin particles to non-encapsulated pendimethalin particles is from 1:9 to 9:1.
3. The composition as claimed in claims 1 or 2, wherein the microencapsulated pendimethalin is encapsulated by a polymeric wall material which is selected from polyurea and polyurethanes.
4. The composition as claimed in any of the preceding claims, wherein the microencapsulated pendimethalin particles are encapsulated by a polymeric wall material in an amount of from 0.5 to 20 % by weight, based on the amount of pendimethalin in said particles.
5. The composition as claimed in any of the preceding claims, wherein the concentration of pendimethalin is from 200 to 600 g/l.
6. The composition as claimed in any of the preceding claims which contains at least one surface-active substance A which is an anionic oligomer or polymer, which contains a plurality of anionic groups.
7. The composition as claimed in claim 6, wherein the anionic oligomer or polymer is selected from oxidized alkali-lignin, lignosulfonates, ligninsulfates, and the salts of arylsulfonic acid formaldehyde condensates and of arylsulfonic acid formaldehyde urea condensates.
8. The composition as claimed in any of the preceding claims which contains at least one anionic surface-active compound of the formula I

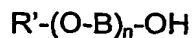


wherein

- R is a hydrocarbon radical having from 8 to 40 carbon atoms and optionally one oxygen atom,  
 A is 1,2-ethylene, 1,2-propylene or 1,3-propylene,  
 m is from 3 to 200 and  
 X is  $SO_3M$  or  $PO_3M_2$  with M being selected from H, alkaline metals, alkaline earth metals and ammonium.

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9. The composition as claimed in any of the preceding claims which contains at least one neutral surface-active compound of the formula II



wherein

- R' is a hydrocarbon radical having from 8 to 40 carbon atoms and optionally one oxygen atom,  
B is 1,2-ethylene, 1,2-propylene or 1,3-propylene and  
n is from 5 to 200.

10. The composition as claimed in any of the preceding claims, wherein the total amount of surface-active substance is from 1 to 50 % by weight, based on the pendimethalin in the composition.
11. The composition as claimed in any of the preceding claims which contains an inorganic water-soluble salt in an amount of from 10 to 200 g/l.
12. The composition as claimed in claim 11 which contains
- 50 to 500 g/l of pendimethalin as microencapsulated pendimethalin particles a),
  - 50 to 500 g/l of non-encapsulated pendimethalin particles b),
  - 5 to 100 g/l of at least one anionic oligomeric or polymeric surface-active substance A as defined in claim 6,
  - 5 to 200 g/l of at least one anionic surface-active compound of the formula I as defined in claim 8,
  - 5 to 50 g/l of at least one nonionic surface-active compound of the formula II as defined in claim 9, and
  - 20 to 200 g/l of at least one water-soluble inorganic salt.
13. A method for preparing a composition as claimed in any of the preceding claims which comprises mixing of a first free flowable, aqueous composition containing particles of microencapsulated pendimethalin in a concentration of from 200 to 600 g/l with a second free flowable aqueous composition containing 200 to 600 g/l of non-encapsulated particles of pendimethalin.
14. The use of a composition as claimed in any of claims 1 to 12 for controlling undesired vegetation.
15. A method for controlling undesired vegetation, which comprises applying an aqueous tank-mix, which is obtained by diluting a composition as claimed in any of claims 1 to 12 with water, before, during and/or after the emergence of undesired plants.